

FIG. 1

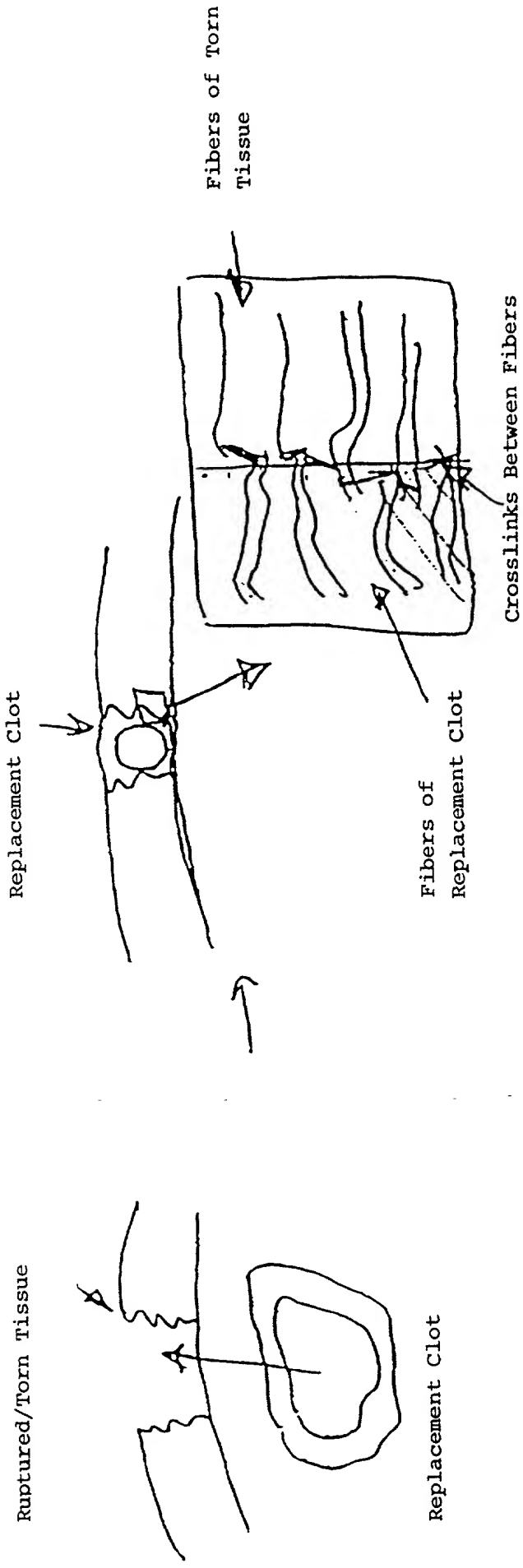


FIG. 2

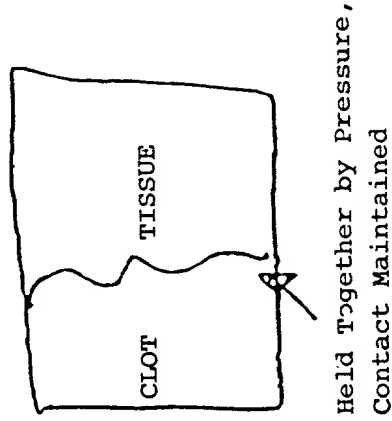
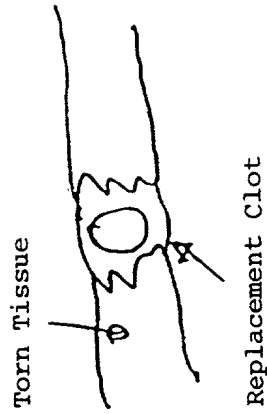


FIG. 3

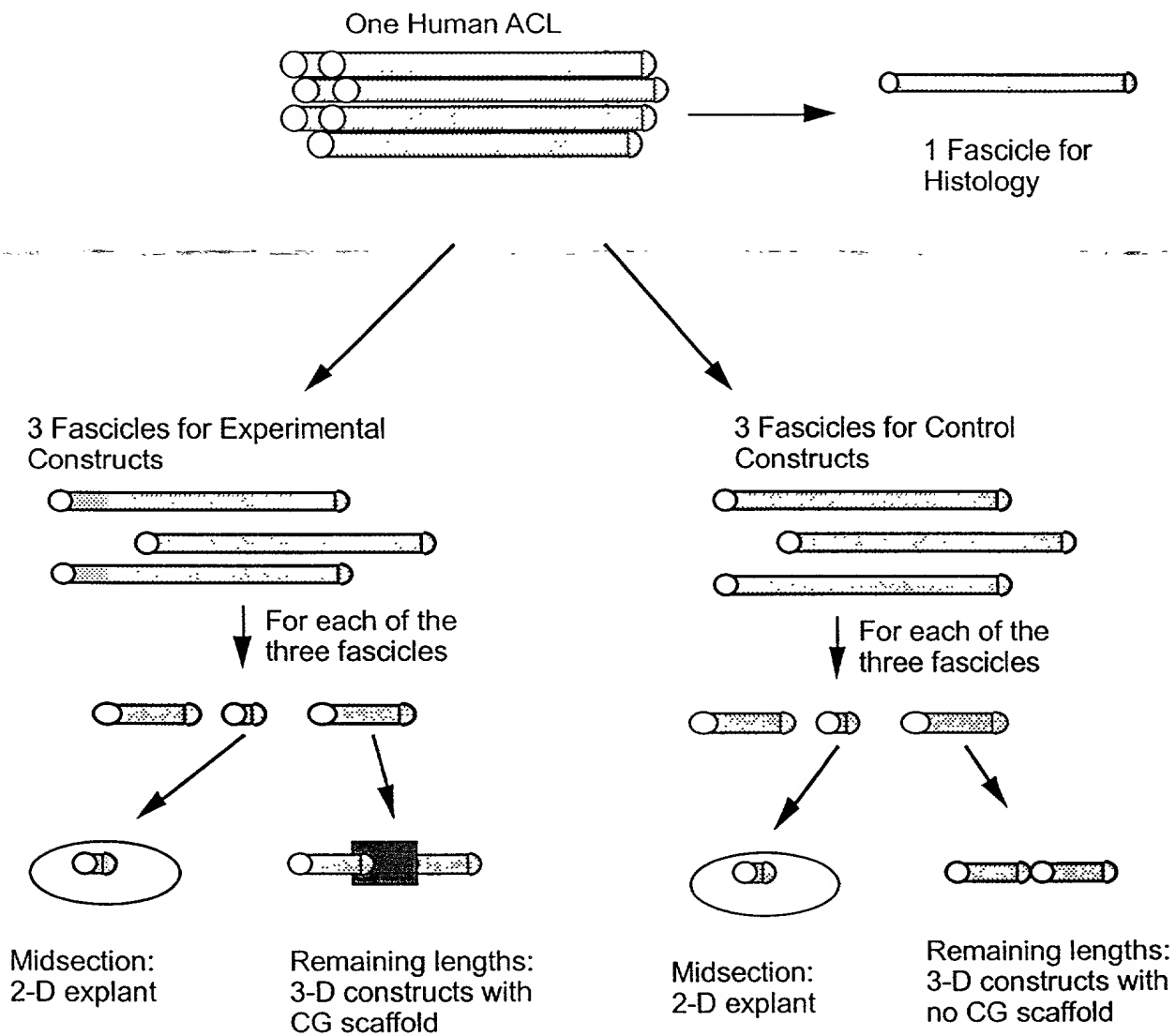
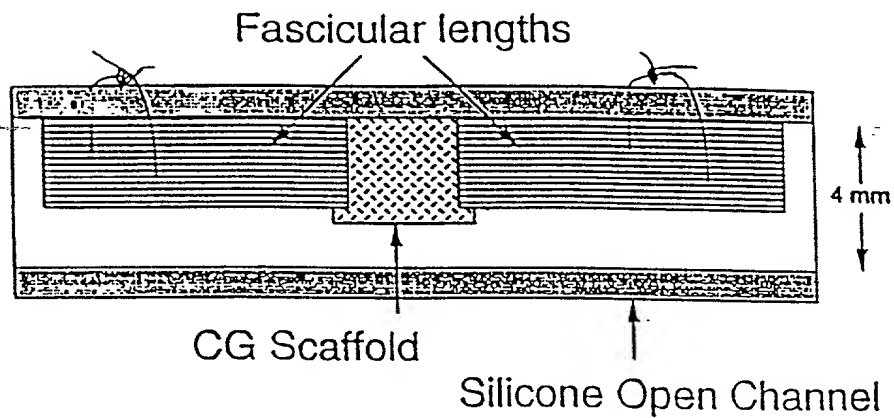


FIG. 4

Figure 5: Schematic of experimental and control three-dimensional constructs

Experimental Fascicle Construct



Control Fascicle Construct

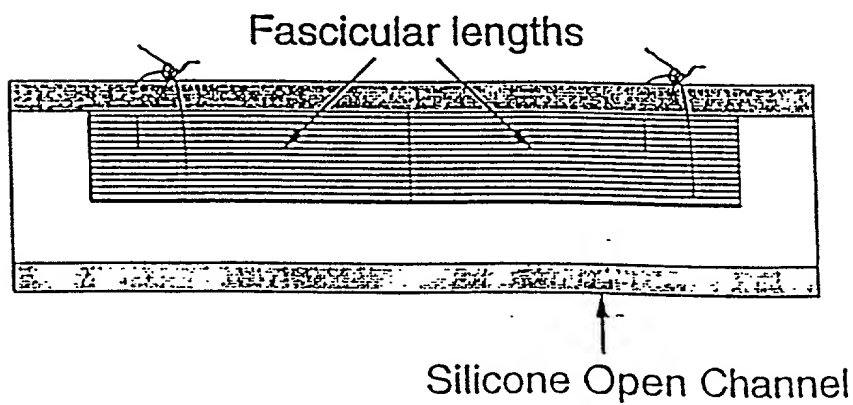


Figure 6: Effective Radius of Outgrowth as a Function of Time for Human ACL Explants

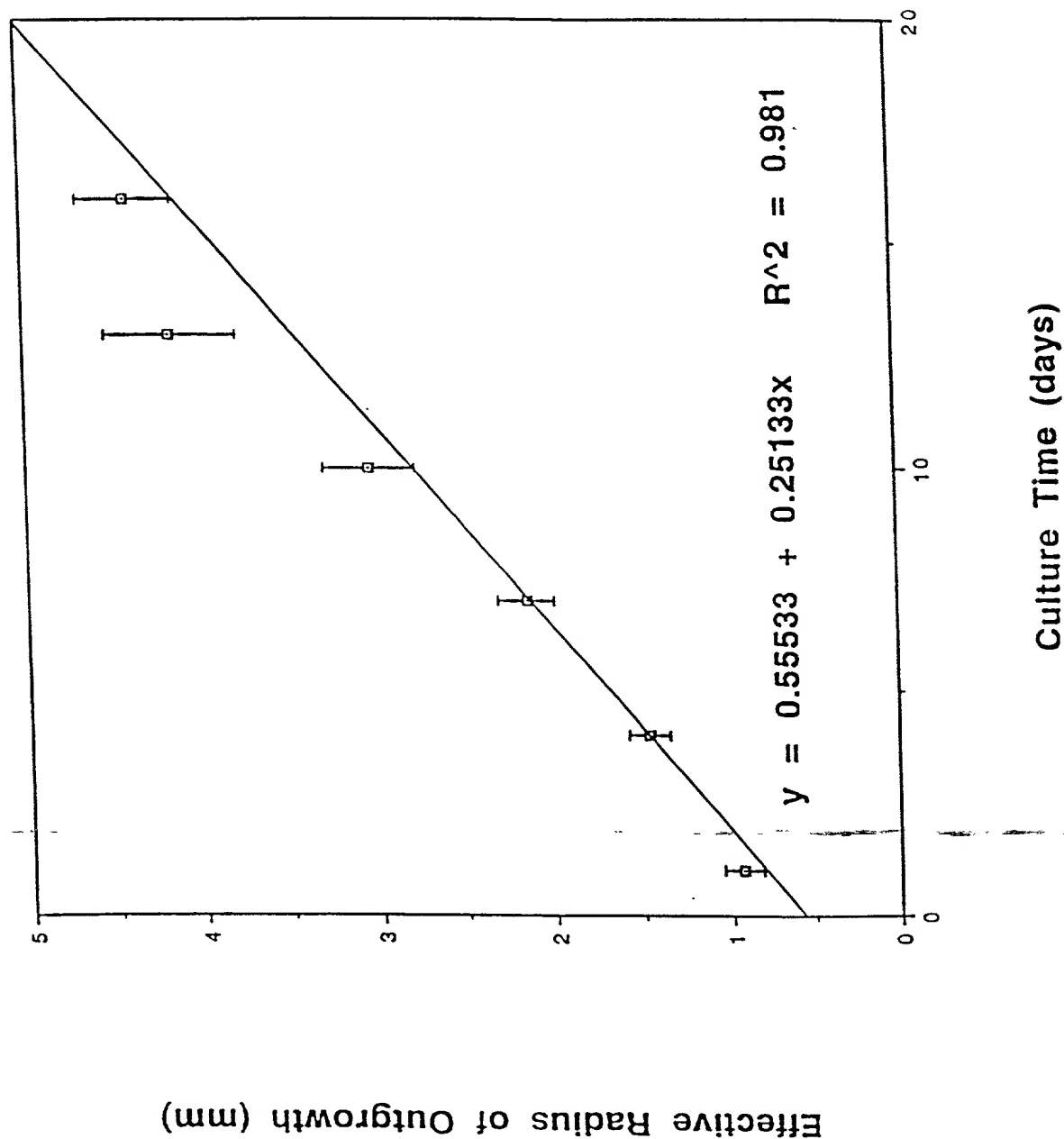


Figure 7: Changes in Cell Number Density in the Fascicle-  
CG Scaffold Construct as a Function of Time in Culture

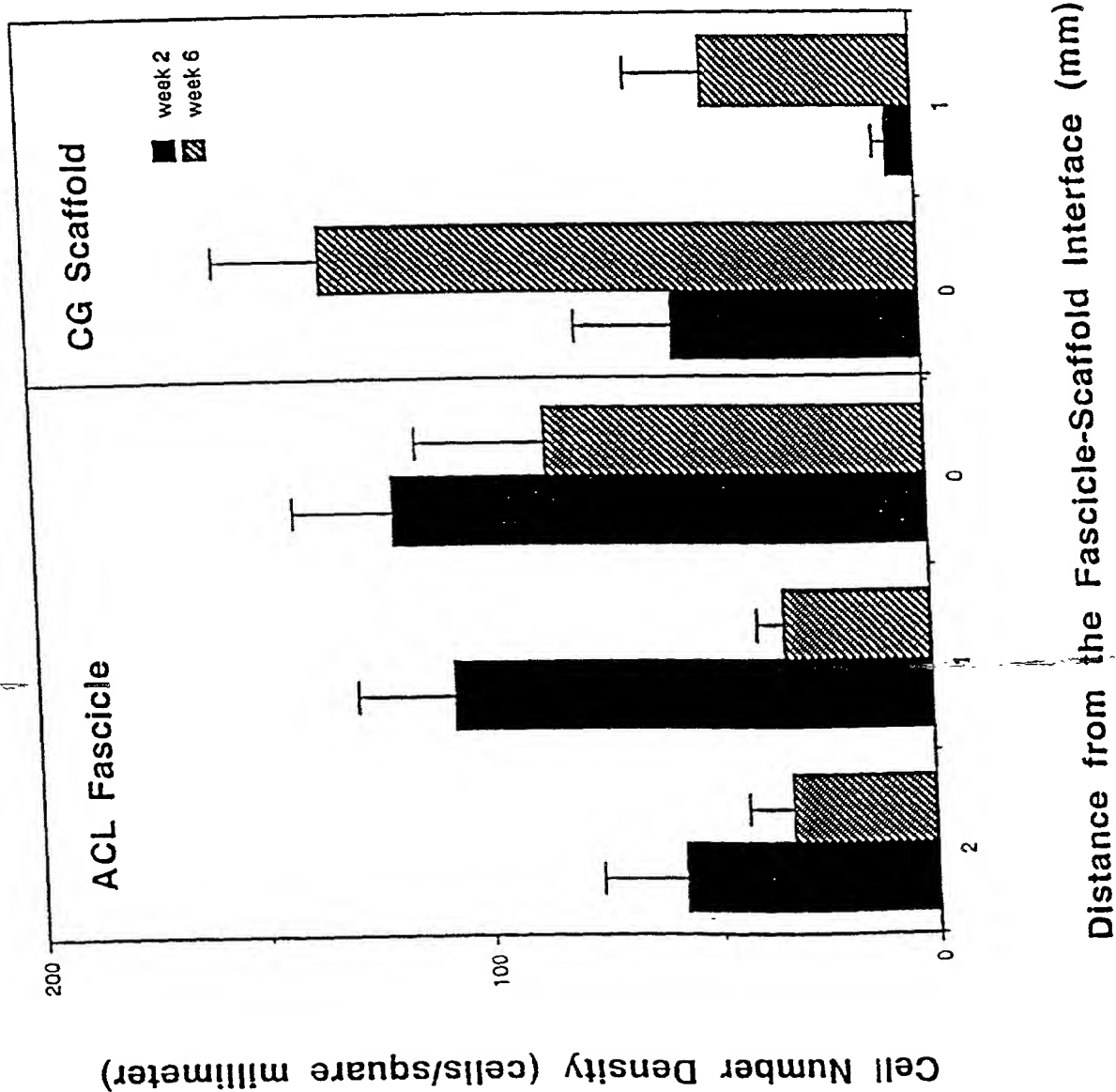
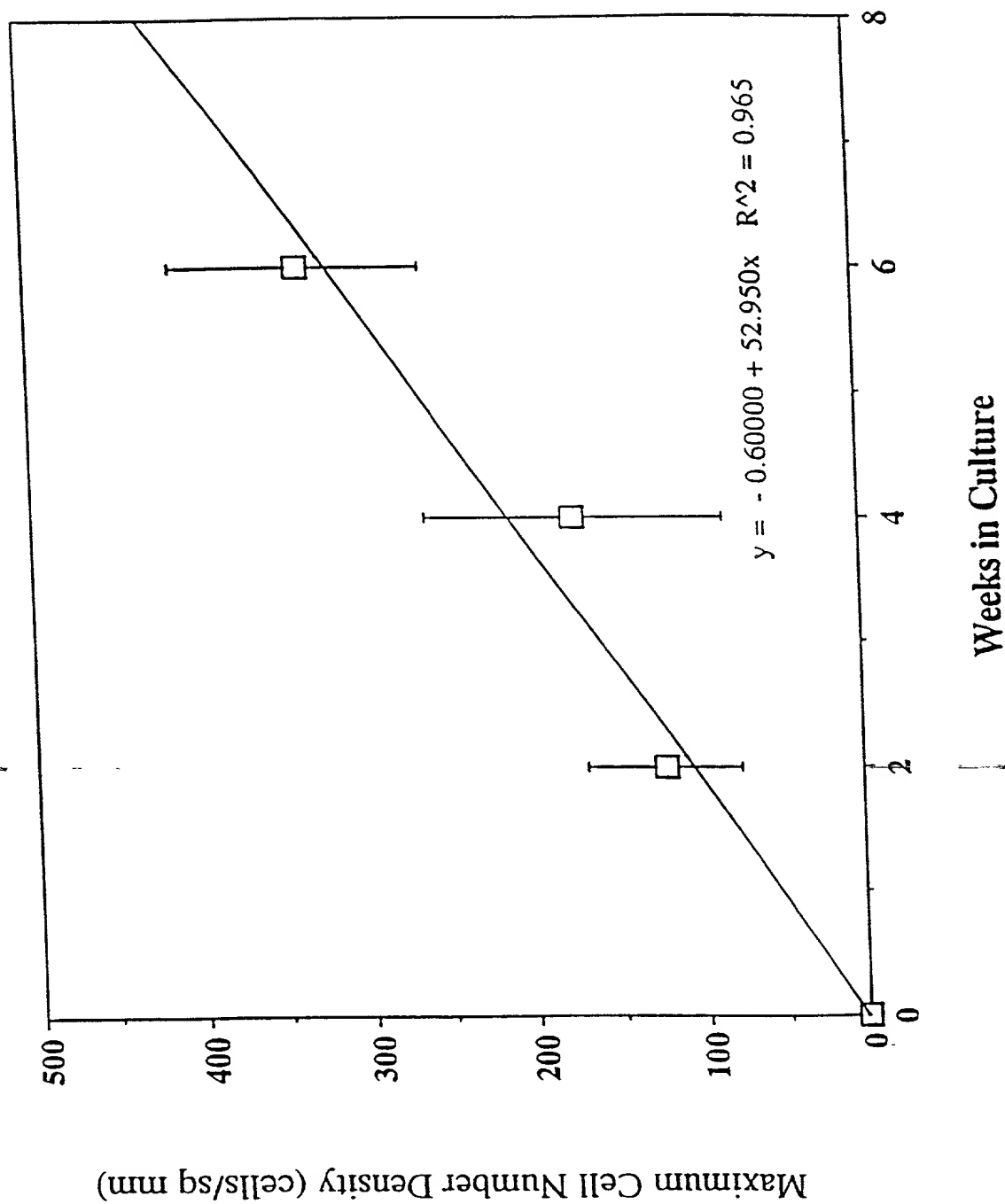


Figure 3: Maximum Cell Number Density in the Collagen-Glycosaminoglycan Scaffold as a Function of Weeks in Culture





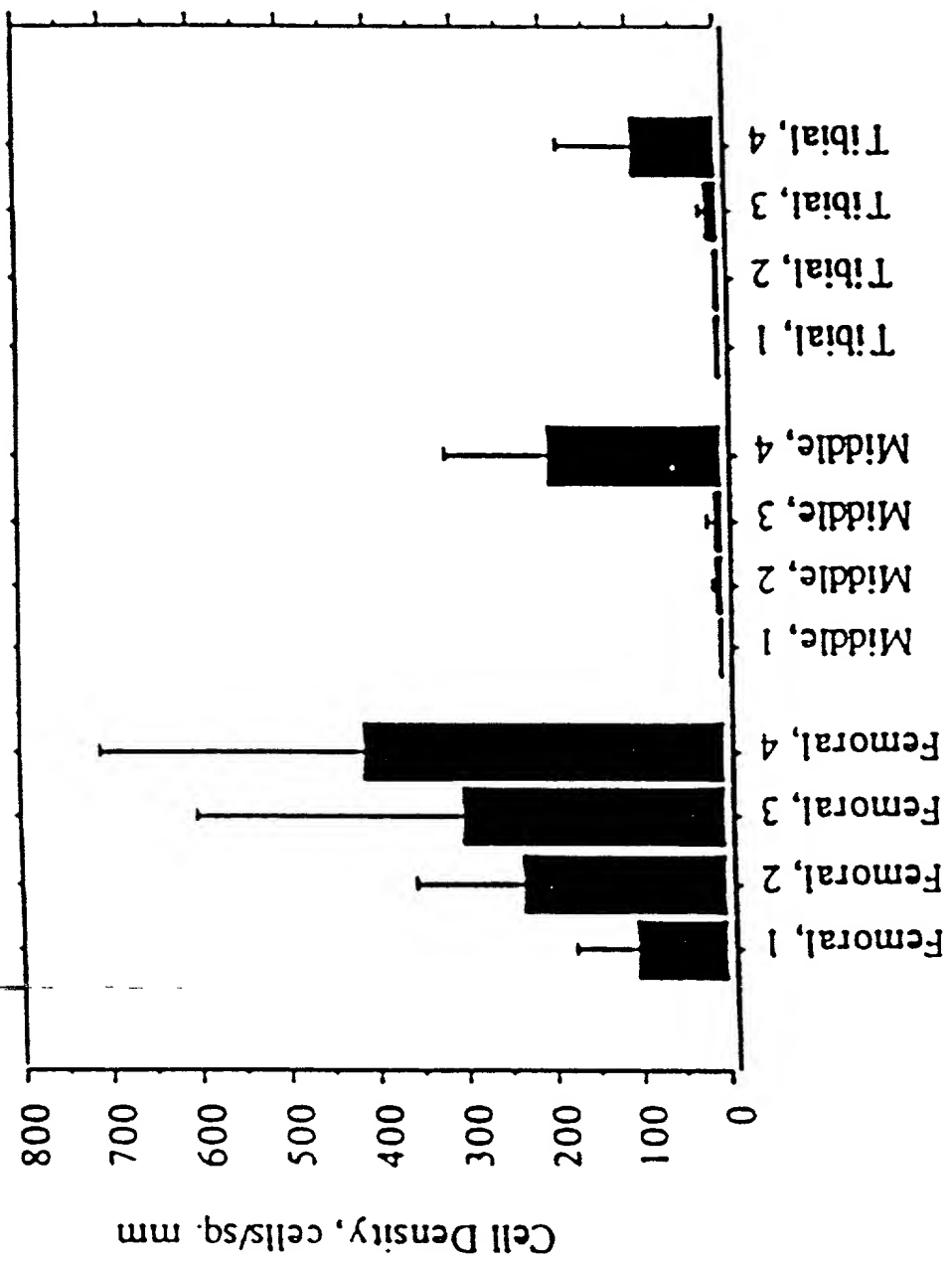


FIG. 9

# Migration into CG Scaffold from Explants of Intact and Ruptured Human ACLs

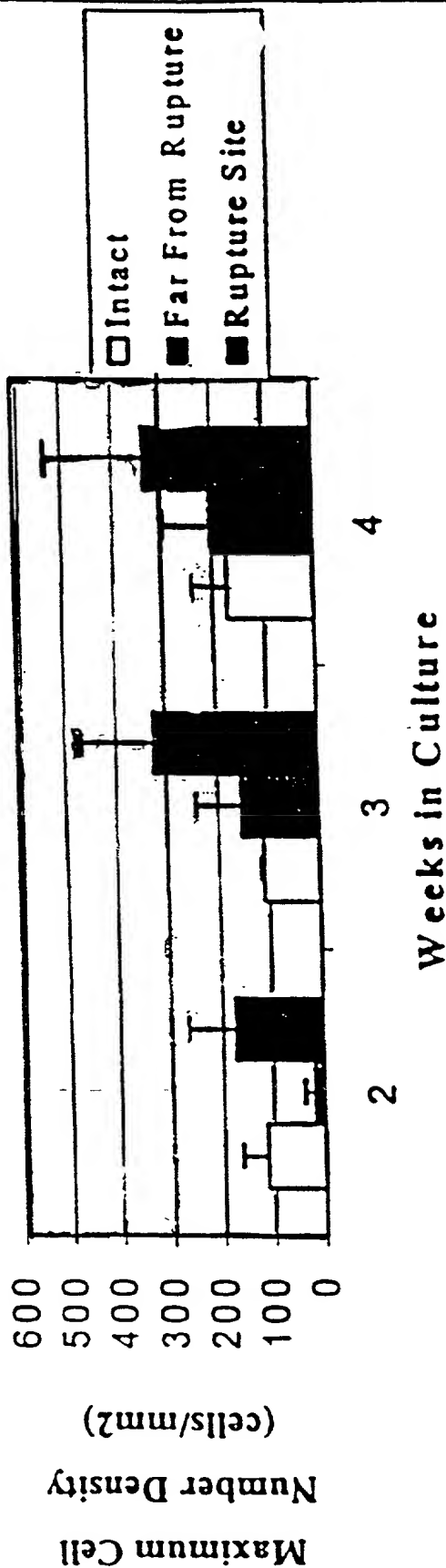


Figure 10 Mean  $\pm$  SEM

**Figure 11. Cell number density near the site of rupture in the human ACL as a function of time after injury**

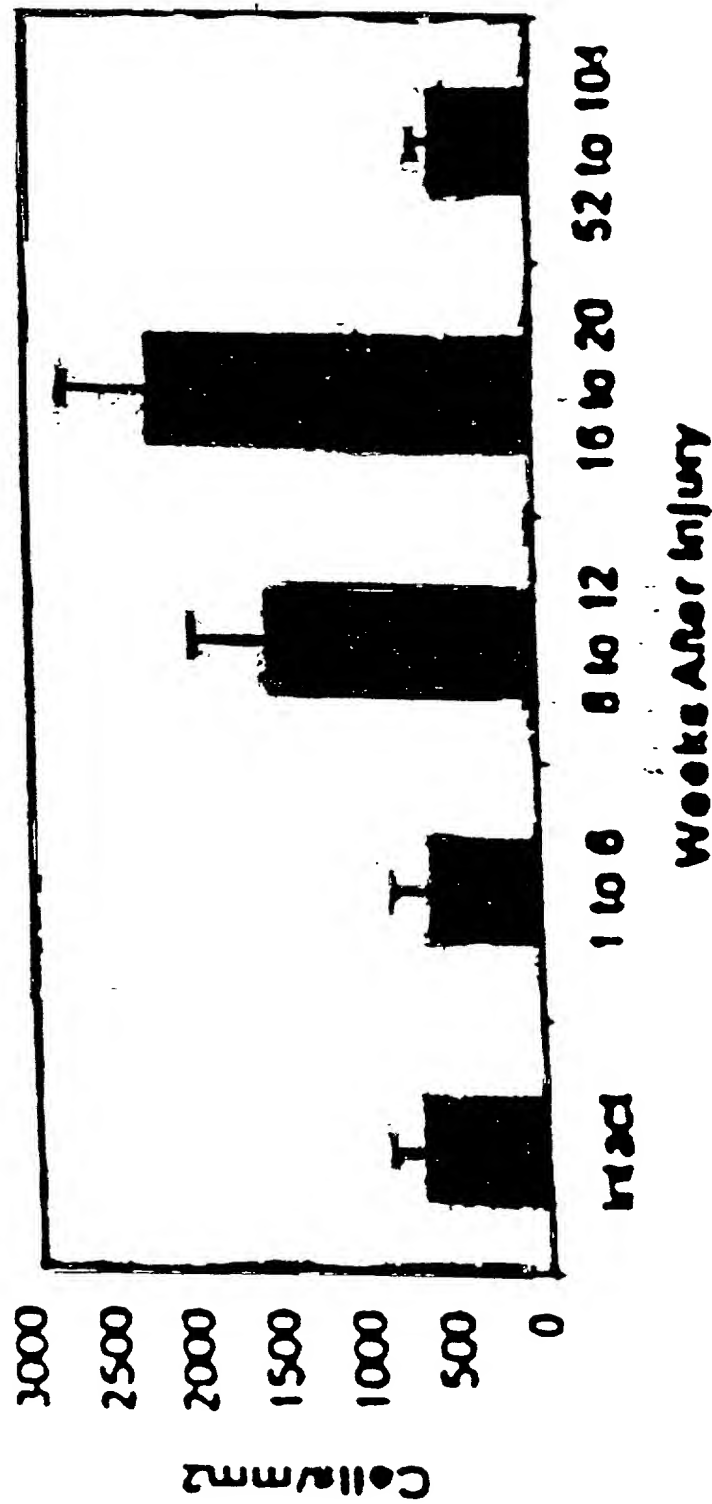


FIG. 11

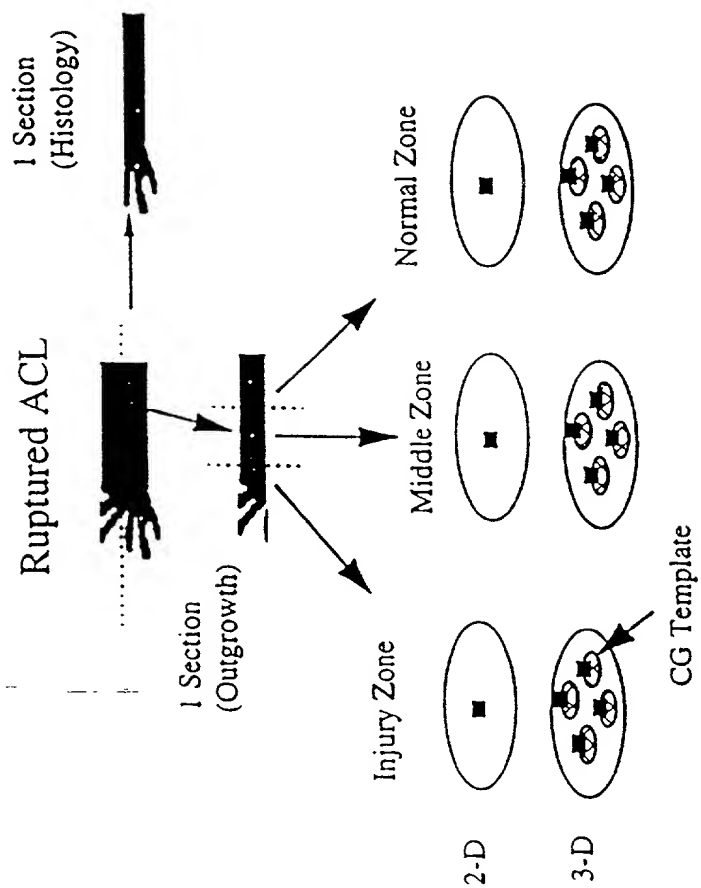


FIG. 12

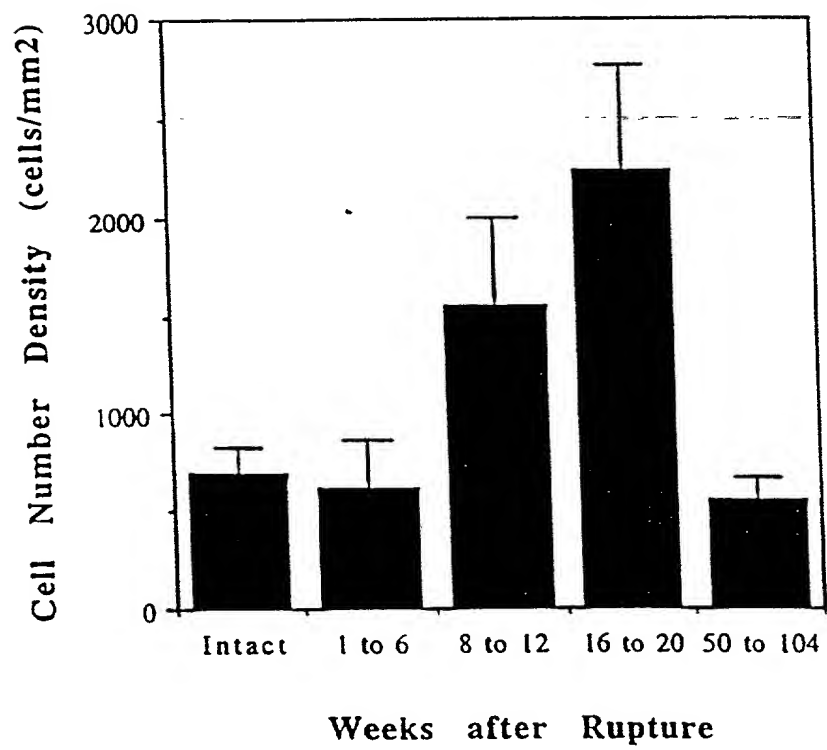


FIG. 13

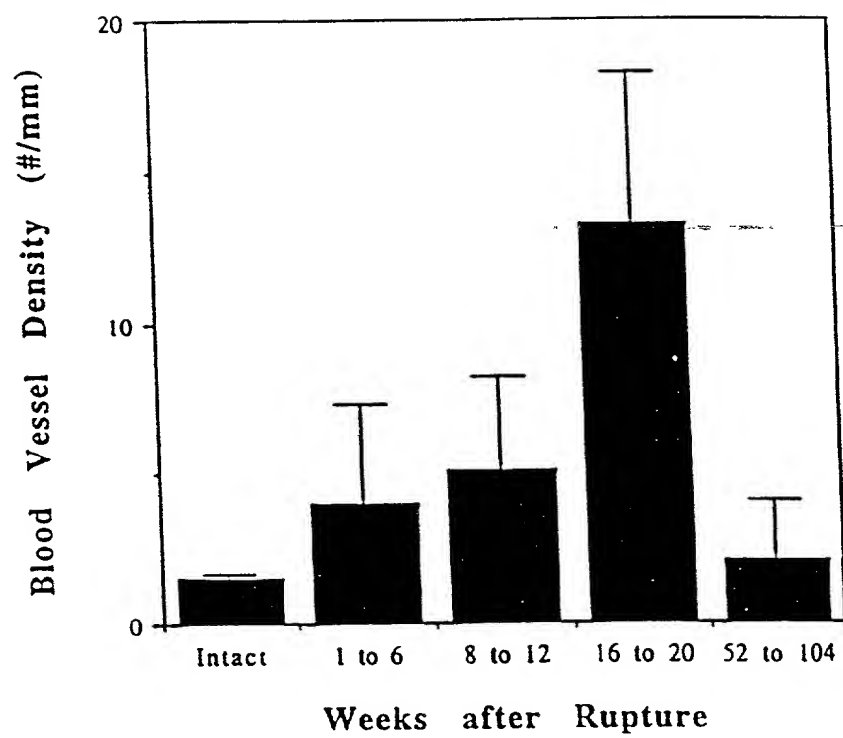
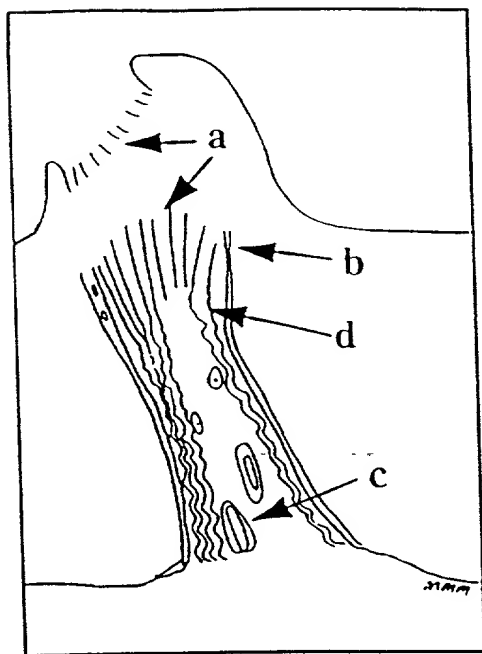
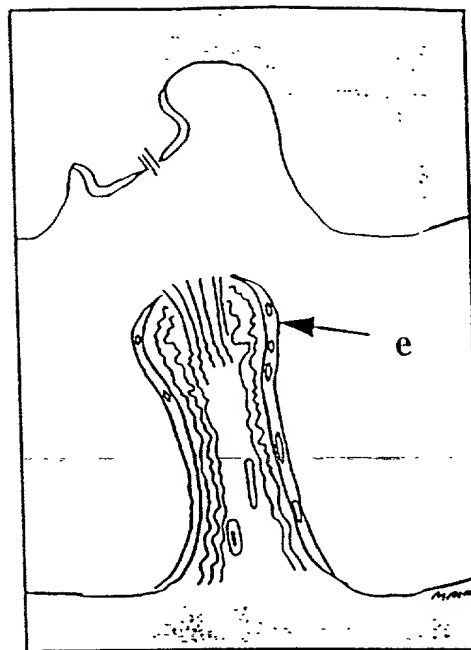


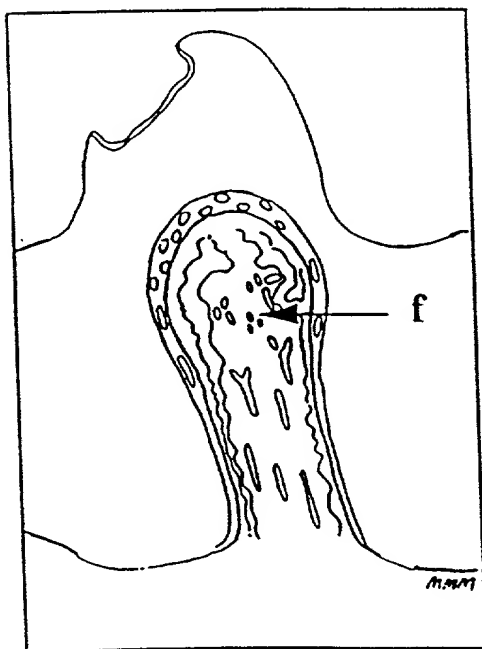
FIG. 14



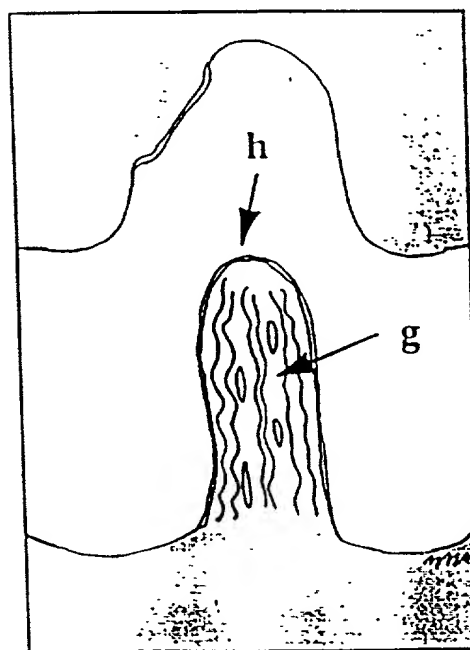
**A. Inflammation**



**B. Epiligamentous  
Regeneration**



**C. Proliferation**



**D. Remodelling**

**FIG. 15**

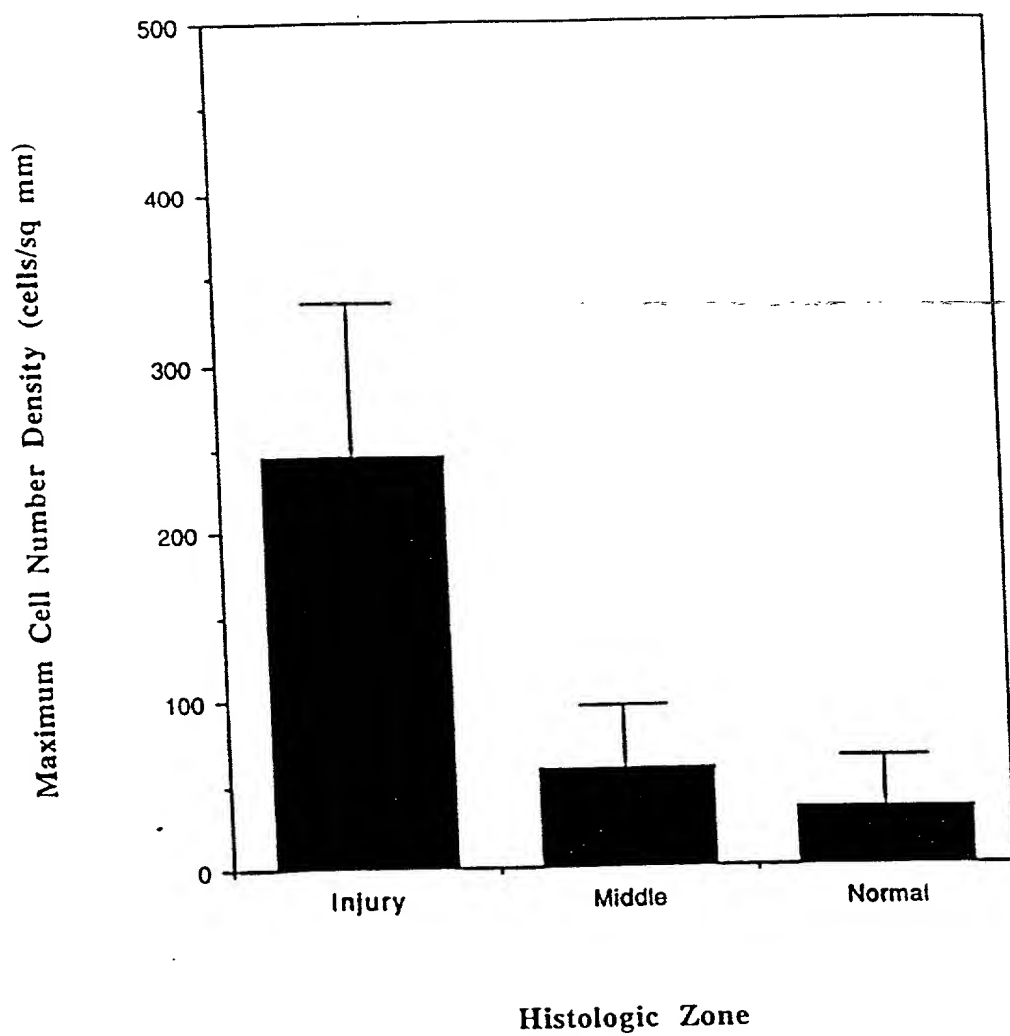
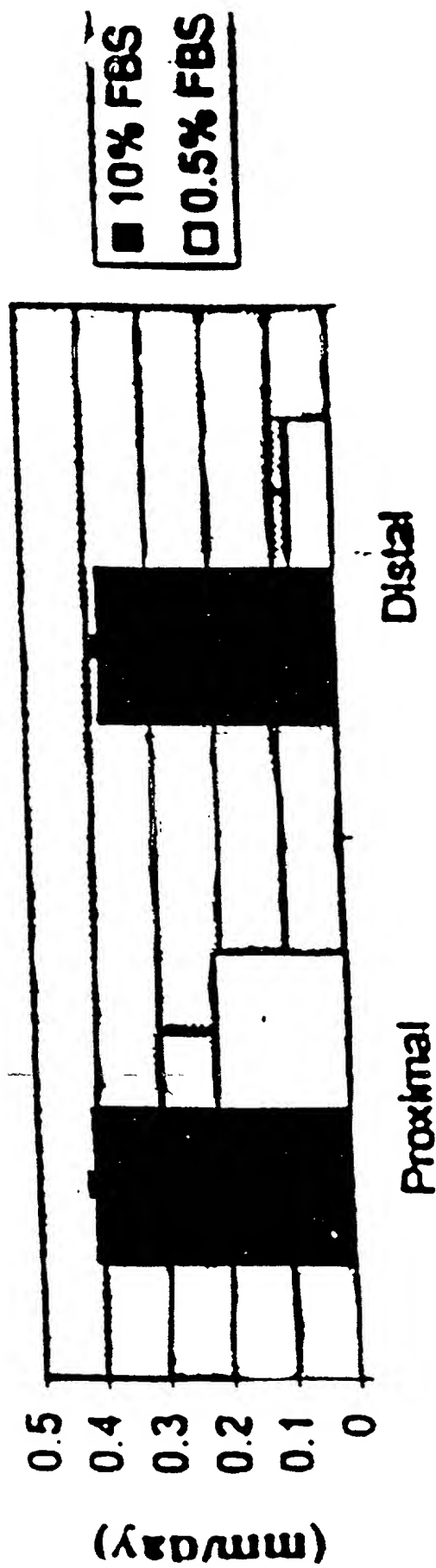


FIG. 16



# Effect of Location on Outgrowth Rate for High and Low Serum Concentration



Location in the ACL

Figure 17 Mean  $\pm$  SEM

# Outgrowth rates from human ACL explants as a function of location and TGF-beta concentration

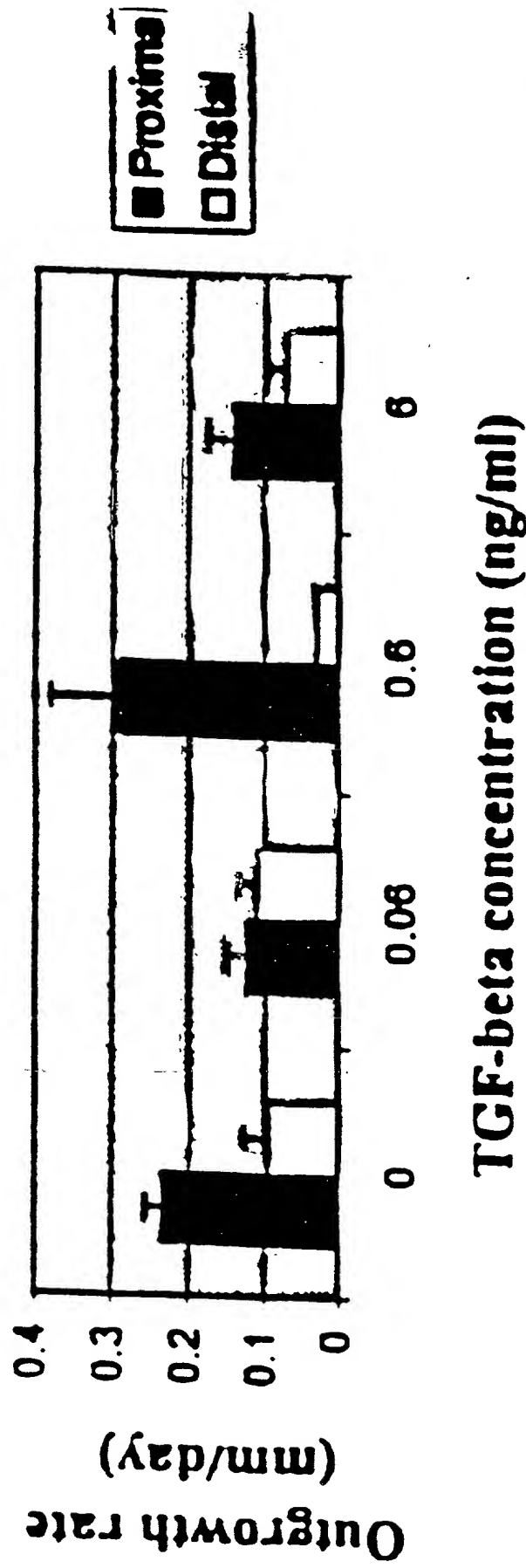


Figure 18 Mean±SEM

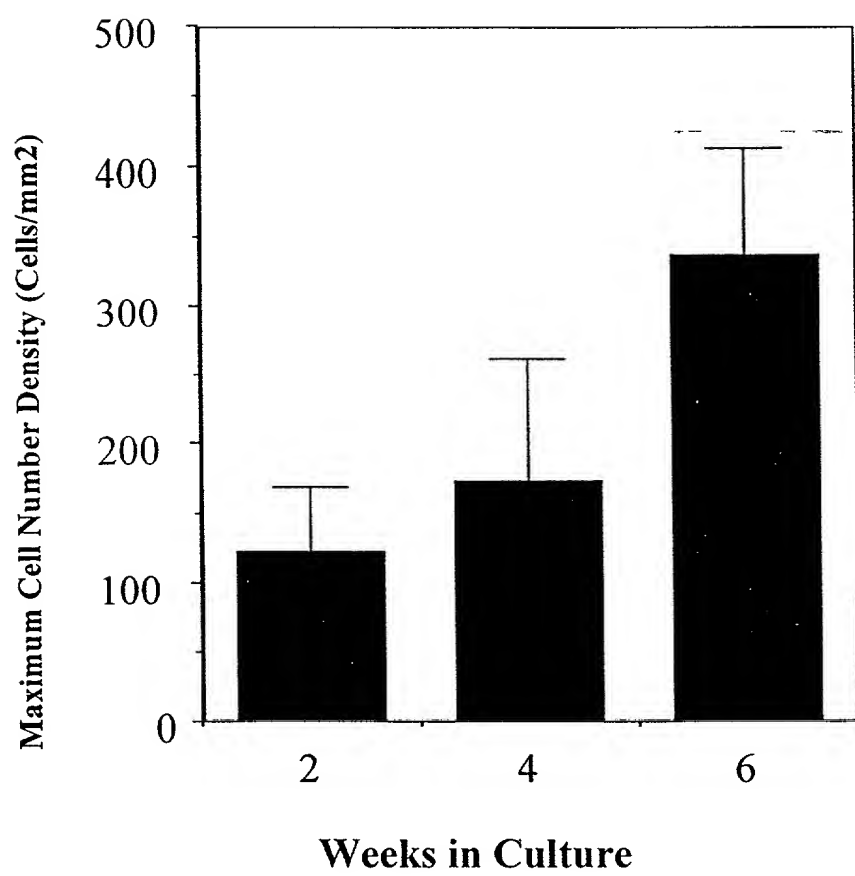

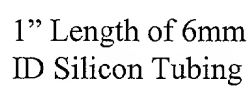


FIG. 19

Figure 1 consists of 12 bar charts, labeled (a) through (l), each representing a different demographic or attitudinal variable. Each chart compares the percentage of respondents for that variable between two groups: gay and lesbian respondents (n=100) and straight respondents (n=100). The y-axis for all charts represents the percentage of respondents, ranging from 0% to 100%.

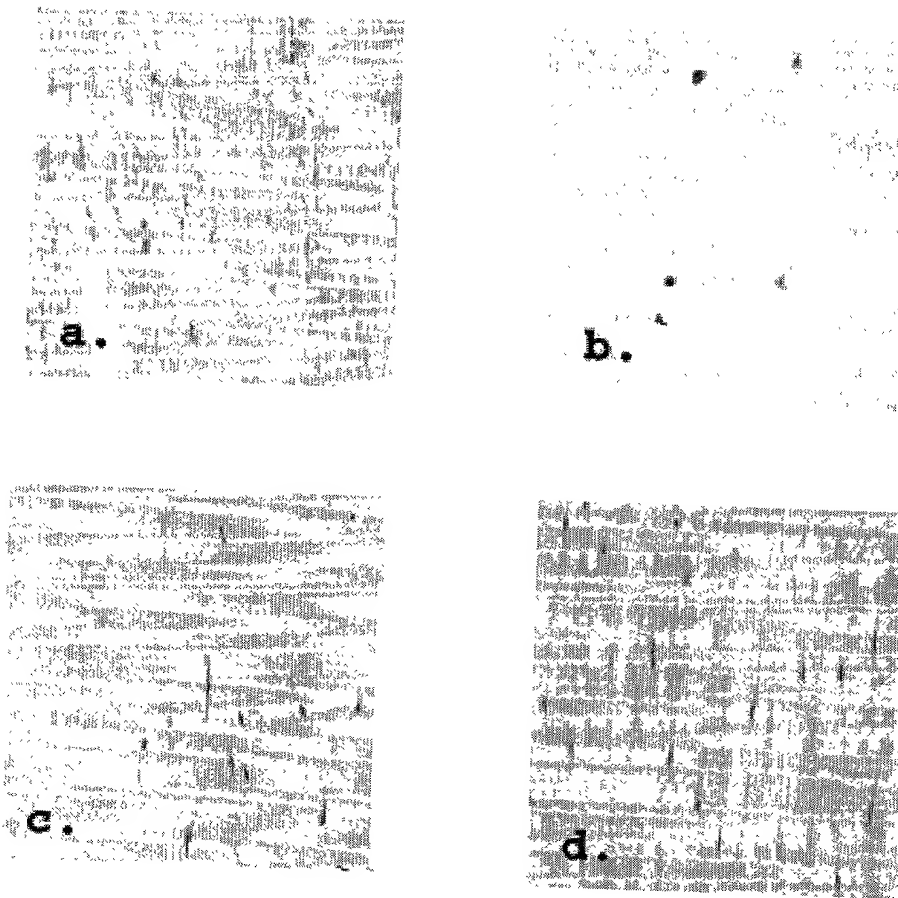
- (a) Age:** The x-axis shows age groups: 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, 85-94. Gay and lesbian respondents are generally younger than straight respondents.
- (b) Sex:** The x-axis shows Male and Female. Gay and lesbian respondents are more likely to be female than straight respondents.
- (c) Education:** The x-axis shows Less than high school, High school, Some college, College, Graduate school. Gay and lesbian respondents are more likely to have a college or graduate degree.
- (d) Income:** The x-axis shows Less than \$10,000, \$10,000-\$19,999, \$20,000-\$29,999, \$30,000-\$39,999, \$40,000-\$49,999, \$50,000-\$59,999, \$60,000-\$69,999, \$70,000-\$79,999, \$80,000-\$89,999, \$90,000-\$99,999, \$100,000+. Gay and lesbian respondents are more likely to have higher income levels.
- (e) Employment:** The x-axis shows Unemployed, Part-time, Full-time. Gay and lesbian respondents are more likely to be employed full-time.
- (f) Home ownership:** The x-axis shows Own, Rent. Gay and lesbian respondents are more likely to own their home.
- (g) Religion:** The x-axis shows No religion, Atheist, Agnostic, Buddhist, Christian, Hindu, Jain, Jewish, Muslim, Sikh, Spiritist, Taoist, Other. Gay and lesbian respondents are more likely to be Christian or have no religion.
- (h) Political affiliation:** The x-axis shows Democrat, Republican, Independent. Gay and lesbian respondents are more likely to be Democrat.
- (i) Party affiliation:** The x-axis shows Democratic, Republican, Independent. Gay and lesbian respondents are more likely to be Democratic.
- (j) Attitude towards gay and lesbian people:** The x-axis shows Strongly agree, Agree, Disagree, Strongly disagree. Gay and lesbian respondents are more likely to agree or strongly agree.
- (k) Attitude towards gay and lesbian people in the workplace:** The x-axis shows Strongly agree, Agree, Disagree, Strongly disagree. Gay and lesbian respondents are more likely to agree or strongly agree.
- (l) Attitude towards gay and lesbian people in the workplace:** The x-axis shows Strongly agree, Agree, Disagree, Strongly disagree. Gay and lesbian respondents are more likely to agree or strongly agree.



Cut in half  
lengthwise to form  
trough

Polyethylene Mesh

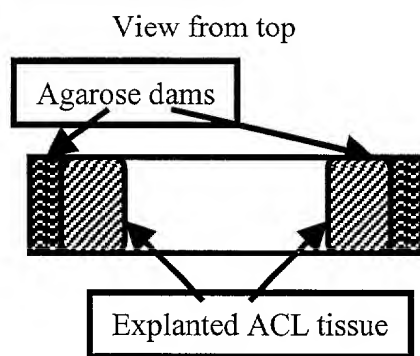
300 microliters of gel  
with cells added



**Experiment 11/00**  
**a. Intact Human ACL**  
**b. Gel with Cells at 3 hours of culture**  
**c. Gel with Cells at 3 days of culture**  
**d. Gel with Cells at 9 days of culture**

Figure 21

FIG. 22



200 microliters of gel added

0947058-072701

FIG. 23

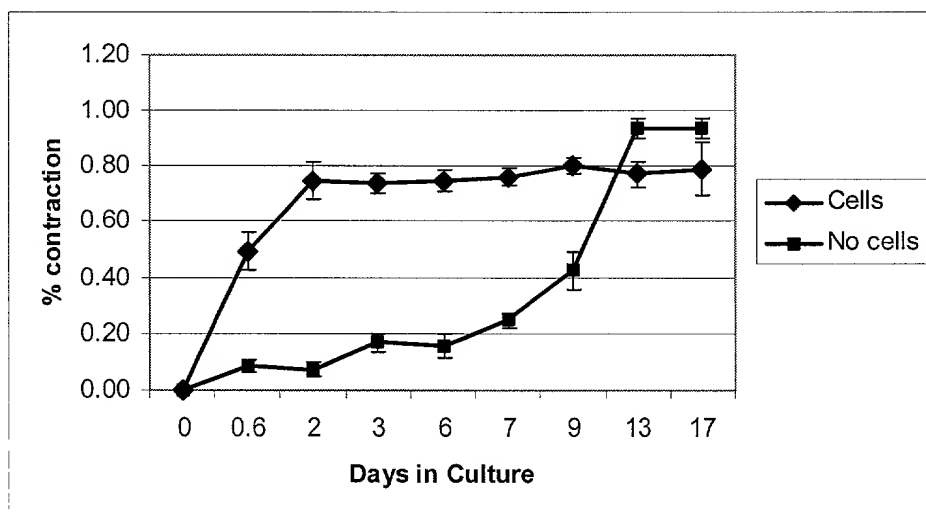
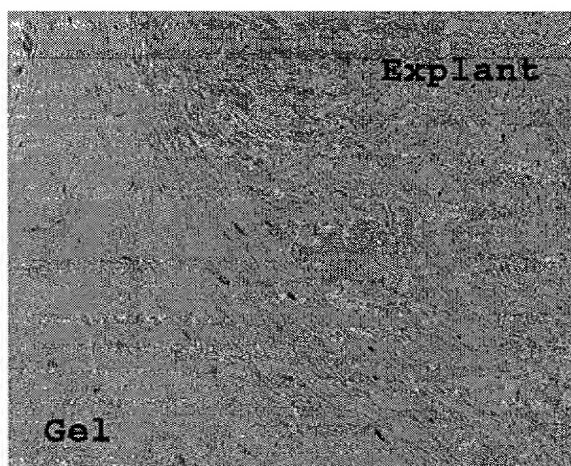
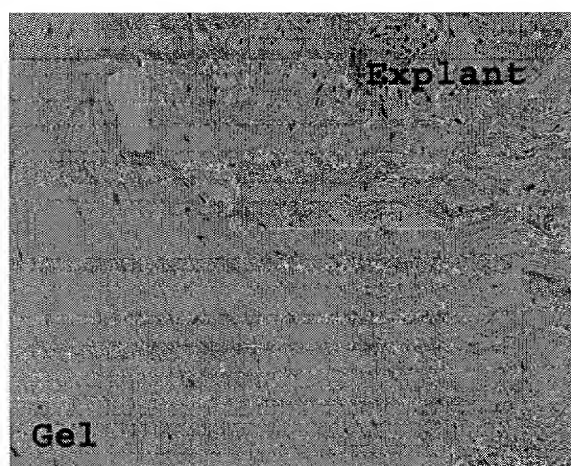


FIG. 24



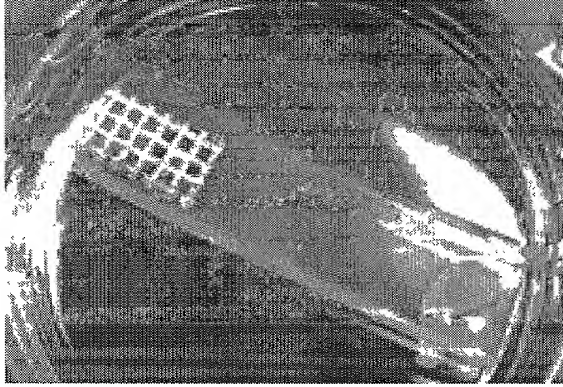
Day 21: Cells



Day 21: Cell-free



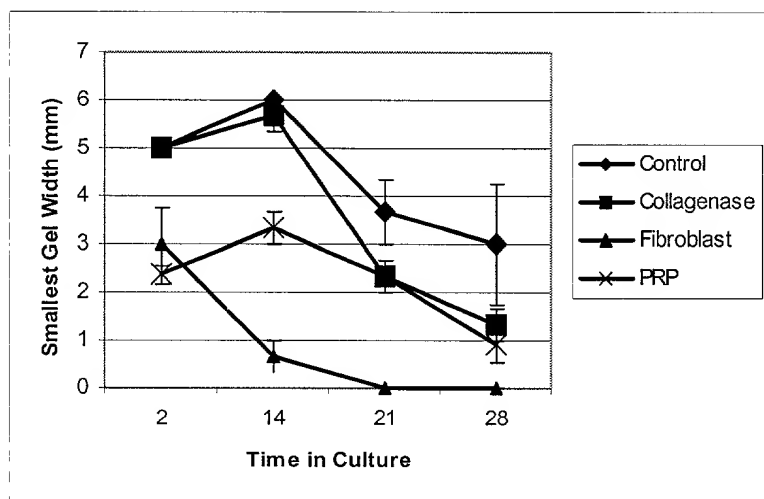
FIG. 25



09917058-072701

TRA 1540308v1

FIG. 26



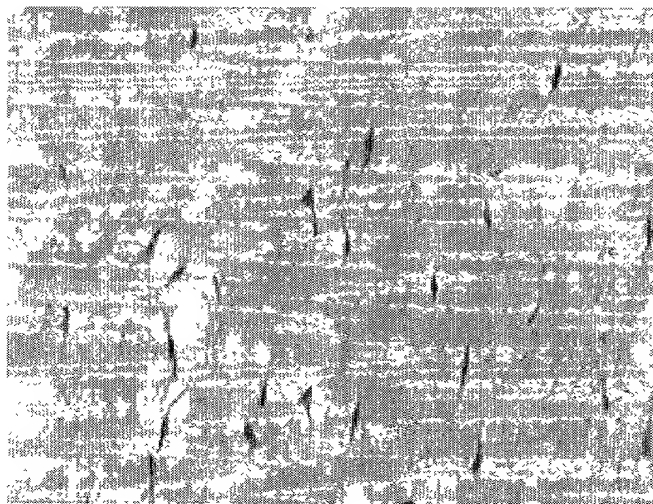
[illegible]

Fig. 28

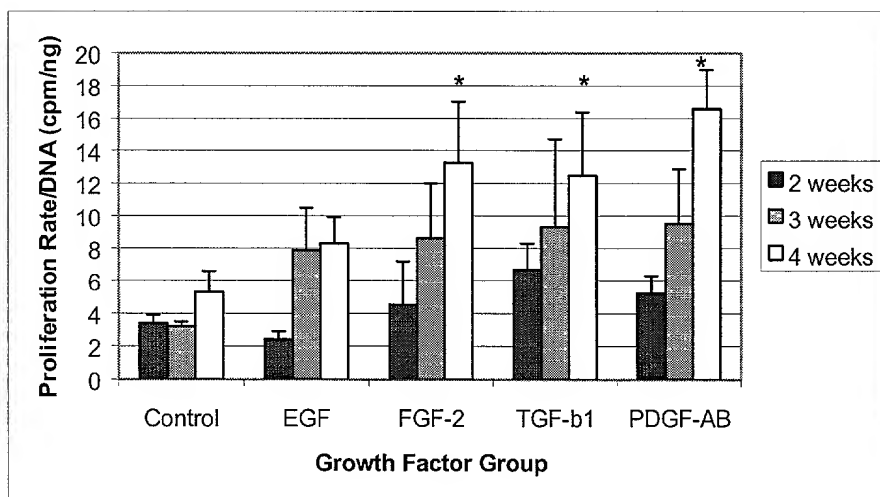
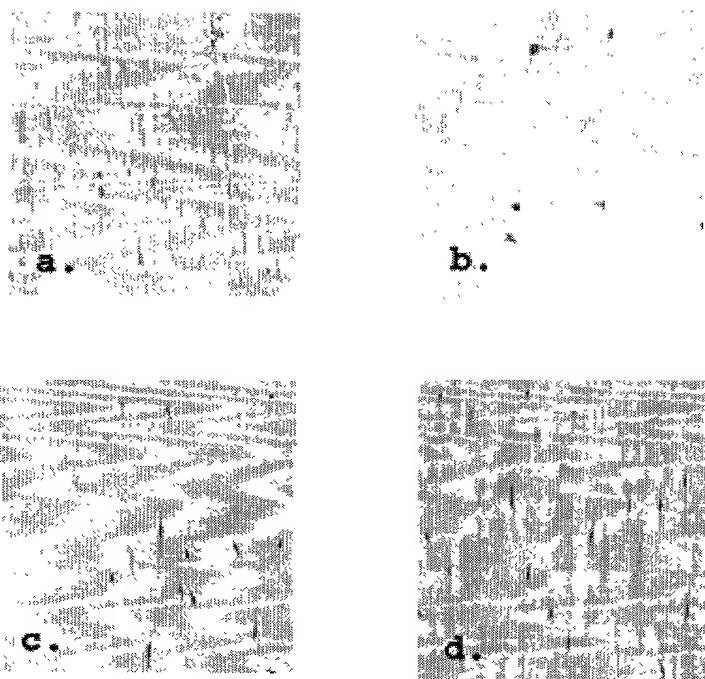


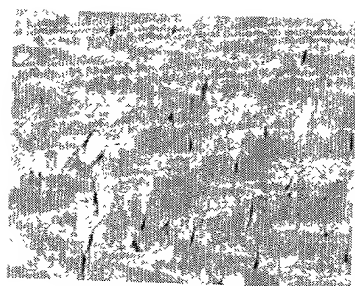
Fig. 29



**Experiment 11/00**

- a. Intact Human ACL**
- b. Gel with Cells at 3 hours of culture**
- c. Gel with Cells at 3 days of culture**
- d. Gel with Cells at 9 days of culture**

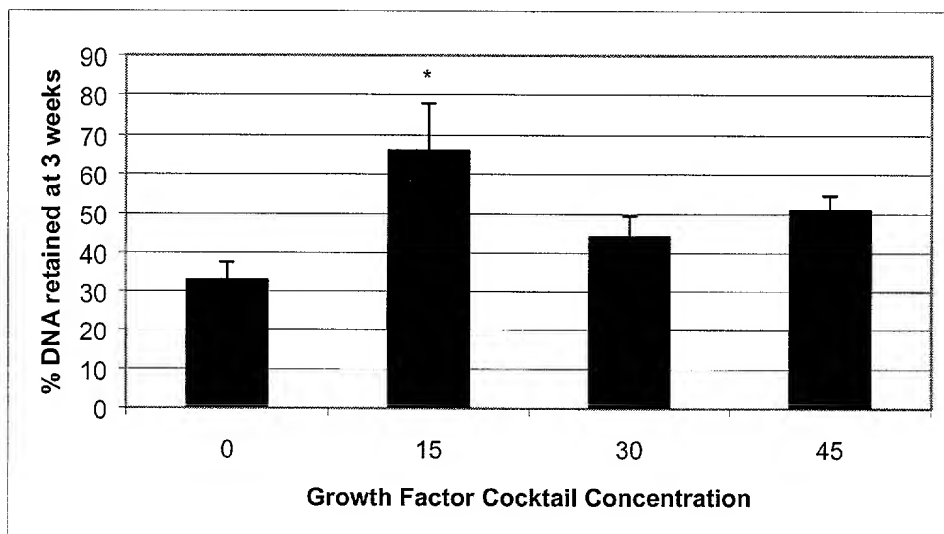
Fig. 30



094760/1660

TRA 1547908v1

FIG. 31



TRA 1547910v1